Beta Presentation
Modern Online Analytical Processing Cube

The Capstone Experience

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Project Overview

• Create a tool to quickly and efficiently query specific data amongst large databases to provide detailed and aggregated statistics
• Implement an OLAP cube as analysis object
• Create powerful, but easy to use GUI to display and manipulate OLAP cube
System Architecture
Dashboard

Dimensions
- Promotion
- Product
- Customer
- Geography
- Reseller
- Sales Territory
- Employee
- Scenario
- Department
- Organization
- Account
- Date
- Source Currency
- Sales Reason
- Reseller Sales Order Details
- Internet Sales Order Details
- Clustered Customers
- Subcategory Basket Analysis
- Sales Channel
- Destination Currency
- Sales Summary Order Details

Measures
- Internet Sales
- Internet Orders
- Internet Customers
- Sales Reasons
- Reseller Sales
- Reseller Orders
- Sales Summary
- Sales Orders
- Sales Targets
- Financial Reporting
- Exchange Rates

Image Content
Selecting Source

Available Database Connections

Available Connections

Adventure Works DW 2008
Selecting Facets

- Dimensions:
  - Promotion
  - Product
  - Customer
  - Geography
  - Reseller
  - Sales Territory
    - Sales Territory Region
    - Sales Territory Country
    - Sales Territory Group
  - Employee
  - Scenario

- Measures:
  - Internet Sales
  - Internet Orders
  - Internet Customers
  - Sales Reasons
  - Reseller Sales
  - Reseller Orders
    - Reseller Order Count
  - Sales Summary
  - Sales Orders
  - Sales Targets
  - Financial Reporting
  - Exchange Rates

- Image Content:
  - Sales Territory Region
  - Reseller Order Count
  - Sales Territory Group

Submit
Results

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<th>Sales Territory Region</th>
<th>Sales Territory Region</th>
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<td>Northwest North America 536</td>
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</table>

Note: The chart displays sales data for different regions and territories, with specific values for North America, Central Europe, and others.
What’s left to do?

• Making the interface pretty
• Cleaning up the code
• Complete Documentation